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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,313	12/23/2003	Hye-won Yang	Q79032	5574
23373	7590	01/29/2007	EXAMINER	
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			THERIAULT, STEVEN B	
			ART UNIT	PAPER NUMBER
			2179	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/29/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/743,313	YANG, HYE-WON
	Examiner Steven B. Theriault	Art Unit 2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 23 December 2003.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 1-9 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-9 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 12/03

4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5)  Notice of Informal Patent Application  
6)  Other: \_\_\_\_\_.

**DETAILED ACTION**

1. This action is responsive to the following communications: Non-provisional application filed 12/23/2003 with a 1449 filed 12/2003 and 02/2005 and with foreign priority claim of 12/2002.
2. Claims 1 -9 are pending in the case. Claims 1, and 5 are the independent claims.

***Drawings***

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: #441-443 are in the drawings but not in the specification. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

4. **The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:**

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. **Claims 1-3, 5-6, 8-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Hinegardner et al. (hereinafter Hinegardner) U.S. Patent No. 6,803,929 issued Oct 12, 2004 and filed July 5, 2001.**

In regard to **Independent claim 1**, Hinegardner teaches an apparatus for executing a multi-clipboard, the apparatus comprising:

- A basic clipboard and a multi-clipboard in which data is stored by implementing a copy or cut operation (Hinegardner column 4, lines 1-11 and Figures 1-10). Hinegardner teaches a queue that can comprise a single item and multiple items and is displayed as cards in a deck. Hinegardner teaches the queue is a clipboard (See column 6, lines 53-54). A copy and cut operation along with paste can be performed.
- A timer which counts an amount of time after a paste menu is activated (Hinegardner column 4, lines 1-11 and 35-41) Hinegardner discloses a timer that tracks the time interval of user input before performing an operation.
- A basic clipboard executing unit which pastes the data stored in the basic clipboard if the paste menu is selected before the amount of time counted by the timer is not greater than a predetermined amount of time (Hinegardner column 4, lines 1-11 and 35-41) Hinegardner teaches the operation is performed at an interval set by the user which can be before a predetermined amount of time. Hinegardner shows a system that makes a determination both on time and if items are already in the queue. Nonetheless, each item in the queue is represented as a single card or clipboard.

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- A multi-clipboard executing unit which displays the data stored in the multi-clipboard if the paste menu is selected after the amount of time counted by the timer is greater than the predetermined amount of time (Hinegardner column 5, lines 45-60 and column 6, lines 45-54 and column 8, lines 20-60) Hinegardner shows (See figure 9) where multiple items are placed on a clipboard after a user has performed a user action sequence and a time interval has been exceeded.

With respect to **dependent claim 2**, Hinegardner teaches the apparatus herein, if a user input indicating a user's selection of one item of the displayed data is received, the multi-clipboard executing unit pastes the selected item of the displayed data (column 8, lines 9-48).

With respect to **dependent claim 3**, Hinegardner teaches the apparatus wherein the multi-clipboard executing unit displays the data stored in the multi-clipboard in an order in which the data is stored (Figure 10) Hinegardner shows the files displayed in order 1, 2, 3.

In regard to **Independent claim 5**, Hinegardner teaches a method of executing a multi-clipboard, the method comprising:

- Determining whether a predetermined amount of time has passed after a paste menu is activated (Hinegardner column 4, lines 1-10 and column 8, lines 40-50)
- Pasting data stored in a basic clipboard if a signal indicating a user's selection to the paste menu is received before the predetermined amount of time has passed (column 4, lines 1-10) Hinegardner teaches the pasting of the information to the clipboard at a time specified by the user.
- Displaying data stored in a multi-clipboard if the predetermined amount of time has passed (See figure 9 and column 4, lines 35-41) Hinegardner shows multiple items in the clipboard are displayed where the user sequence to copy the information to the clipboard

occurs after an interval.

With respect to **dependent claim 6**, Hinegardner teaches the method wherein the method further comprises a user input indicating a user's selection of one item of the displayed data is received, pasting the selected item of the displayed data (column 8, lines 9-48).

With respect to **dependent claim 8**, Hinegardner teaches the method wherein step (c) further comprises arranging the data stored in the multi-clipboard in the same order that each item of the data is stored (Figure 10).

With respect to **dependent claim 9**, Hinegardner teaches the method wherein the method further comprises (e) pasting the data stored in the basic clipboard by using paste softkeys (column 8, lines 40-50)

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
7. **Claims 4 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hinegardner et al. (hereinafter Hinegardner) U.S. Patent No. 6,803,929 issued Oct 12, 2004 and filed July 5, 2001 in view of Martinez et al. (hereinafter Martinez) U.S. Publication 2003/0076364 published Apr. 24, 2003 and filed Oct. 18, 2001.**

With respect to **dependent claims 4 and 7**, as indicated in the above discussion Hinegardner teaches every limitation of claim 1 and 5.

Hinegardner does not expressly disclose where the apparatus wherein the latest copied or cut data is stored in the basic clipboard.

Martinez teaches a clipboard where the last pasted information is displayed in the clipboard that can be considered a basis clipboard for single items (See Para 0020). Hinegardner and Martinez are analogous art because they both teach processes of manipulating and managing information and processes of cutting, copying and pasting and retrieving information from system clipboards.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Hinegardner to display the last entered item in the clipboard to the user. The motivation to combine Hinegardner with Martinez comes from the expressed suggestion in Martinez of performing operations on a clipboard once the user has performed a function and to display to the user the information within the clipboard via a popup where the indication is displayed to the user that the last item copied is shown.

It is noted that any citation to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. *In re Heck*, 699 F.2d 1331, 1332-33, 216 USPQ 1038, 1039 (Fed. Cir. 1983) (quoting *In re Lemelson*, 397 F.2d 1006, 1009, 158 USPQ 275, 277 (CCPA 1968)).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven B. Theriault whose telephone number is (571) 272-5867. The examiner can normally be reached on M-F 7:30 - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SBT



**WEILUN LO**  
**SUPERVISORY PATENT EXAMINER**